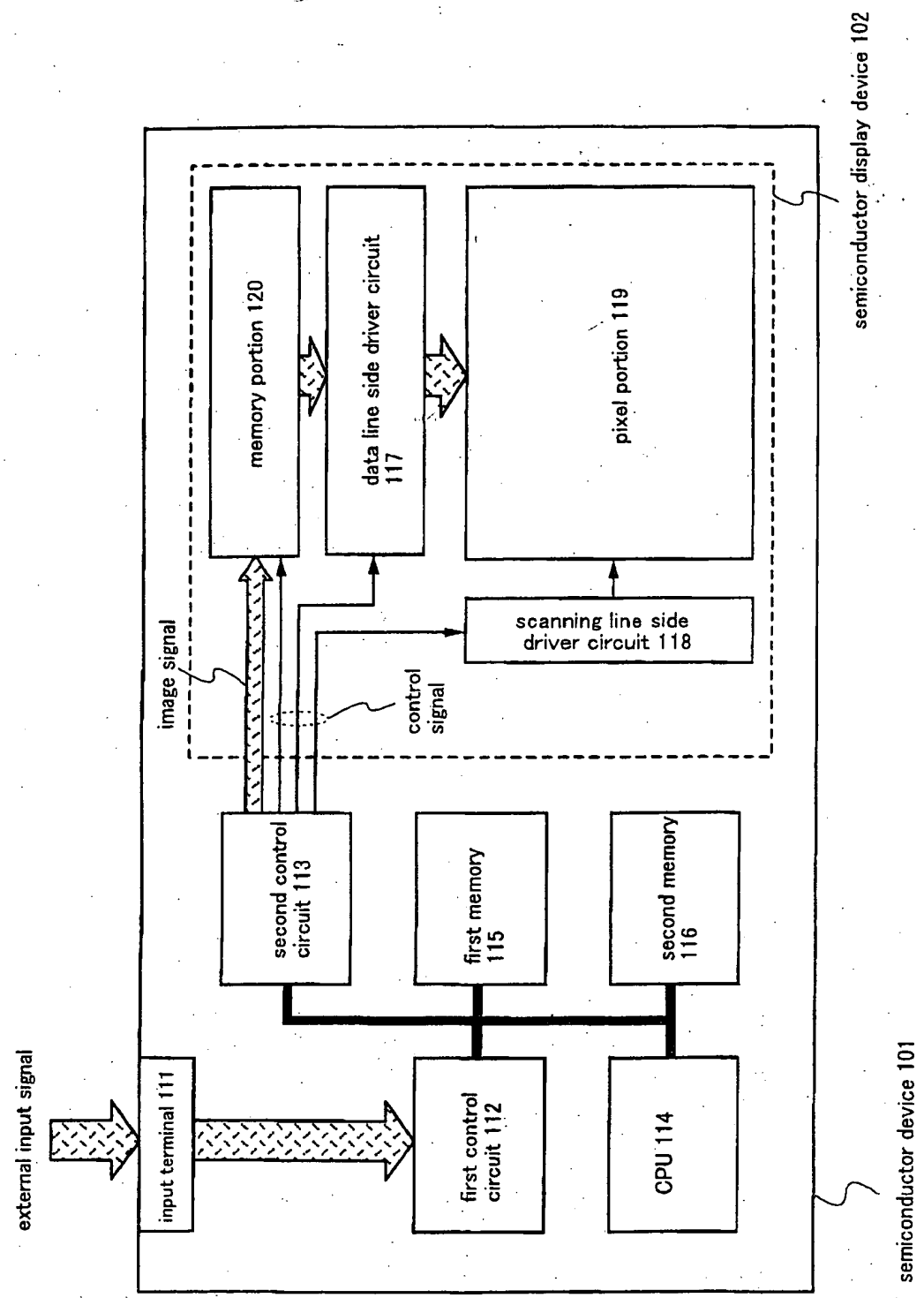
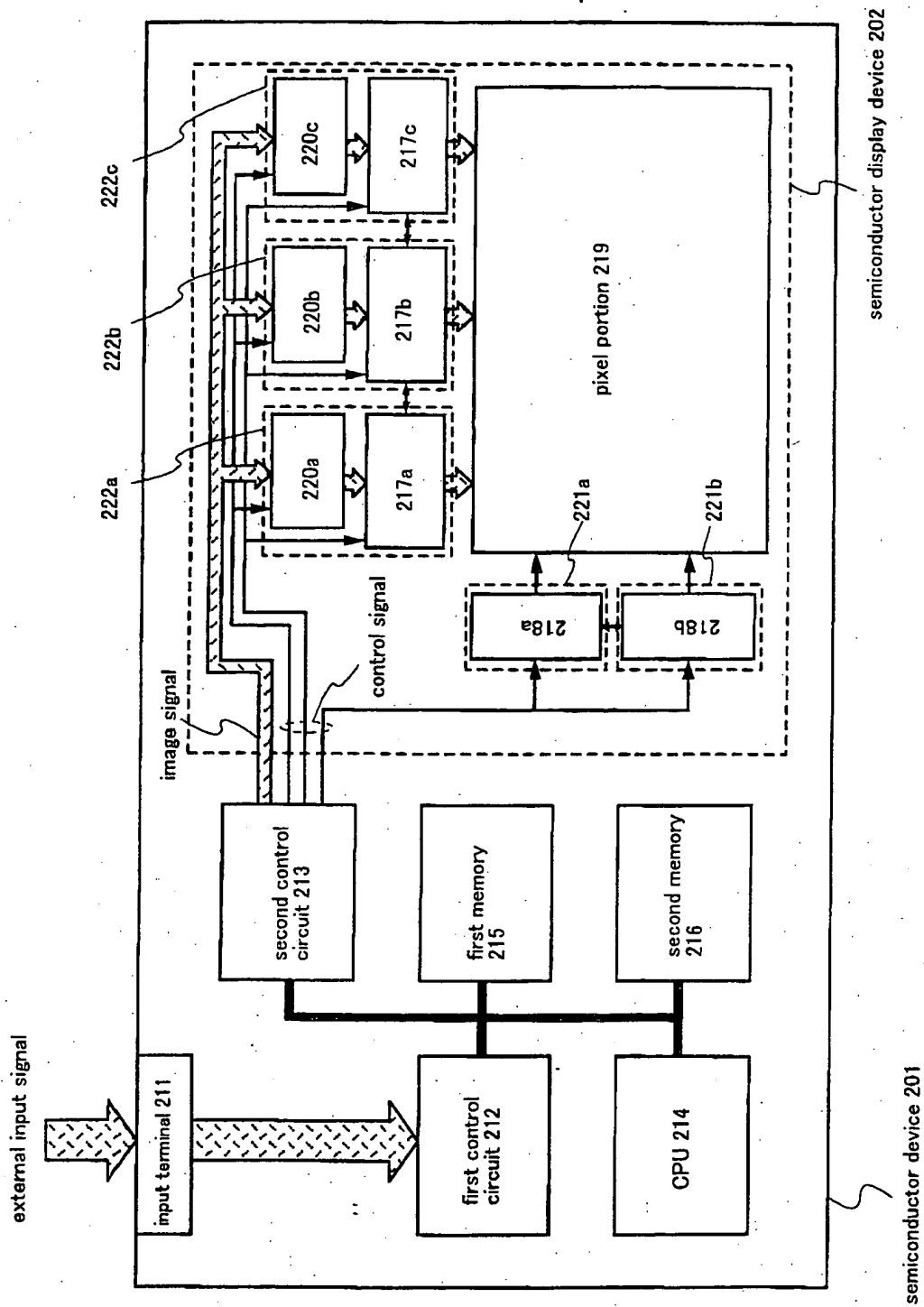


【Fig. 1】



【Fig. 2】



217a, 217b, 217c data line side driver circuit 218a, 218b scanning line side driver circuit
 220a, 220b, 220c memory portion 221a, 221b scanning line side stick driver
 222a, 222b, 222c data line side stick driver

【Fig. 3】

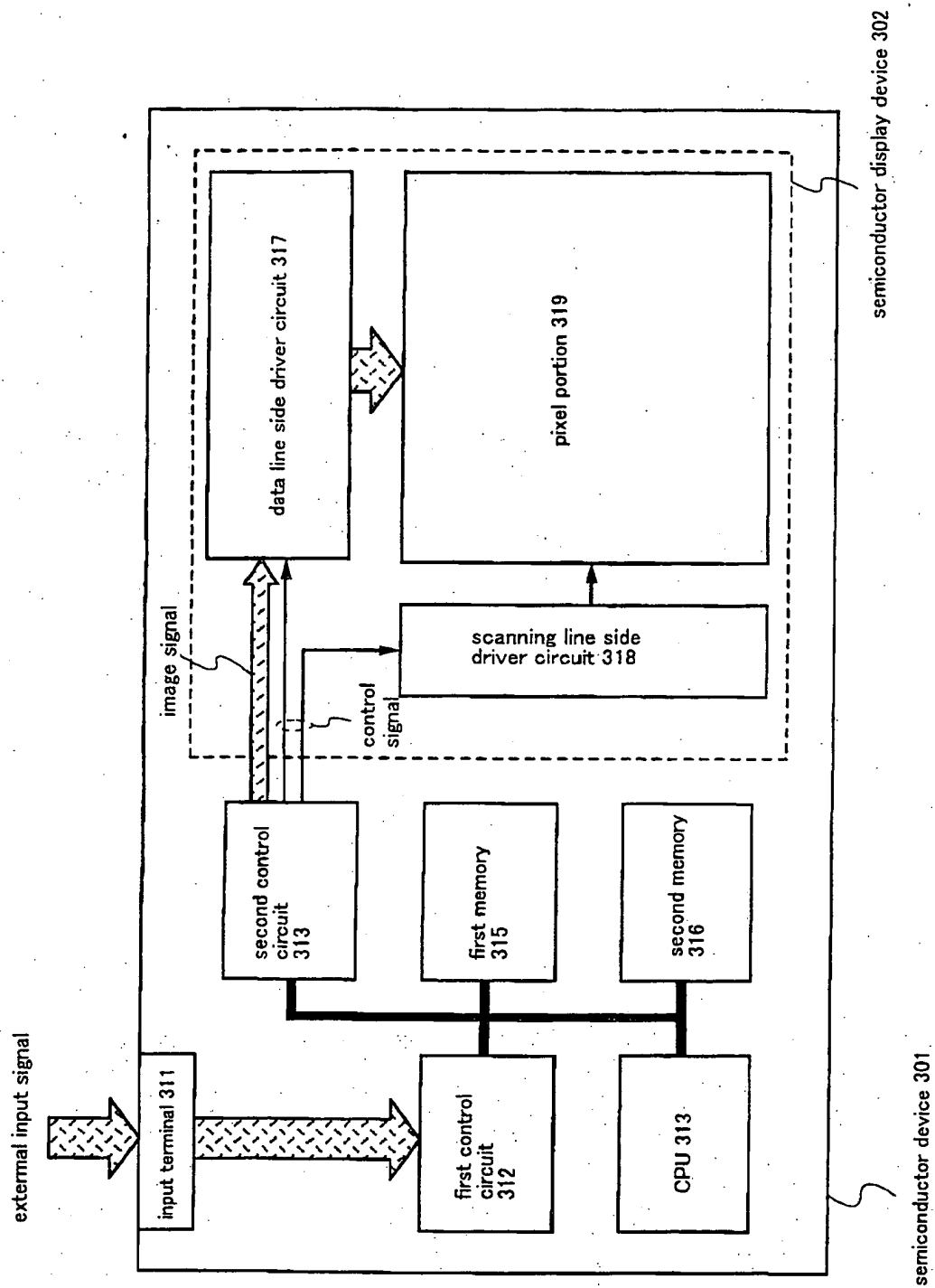
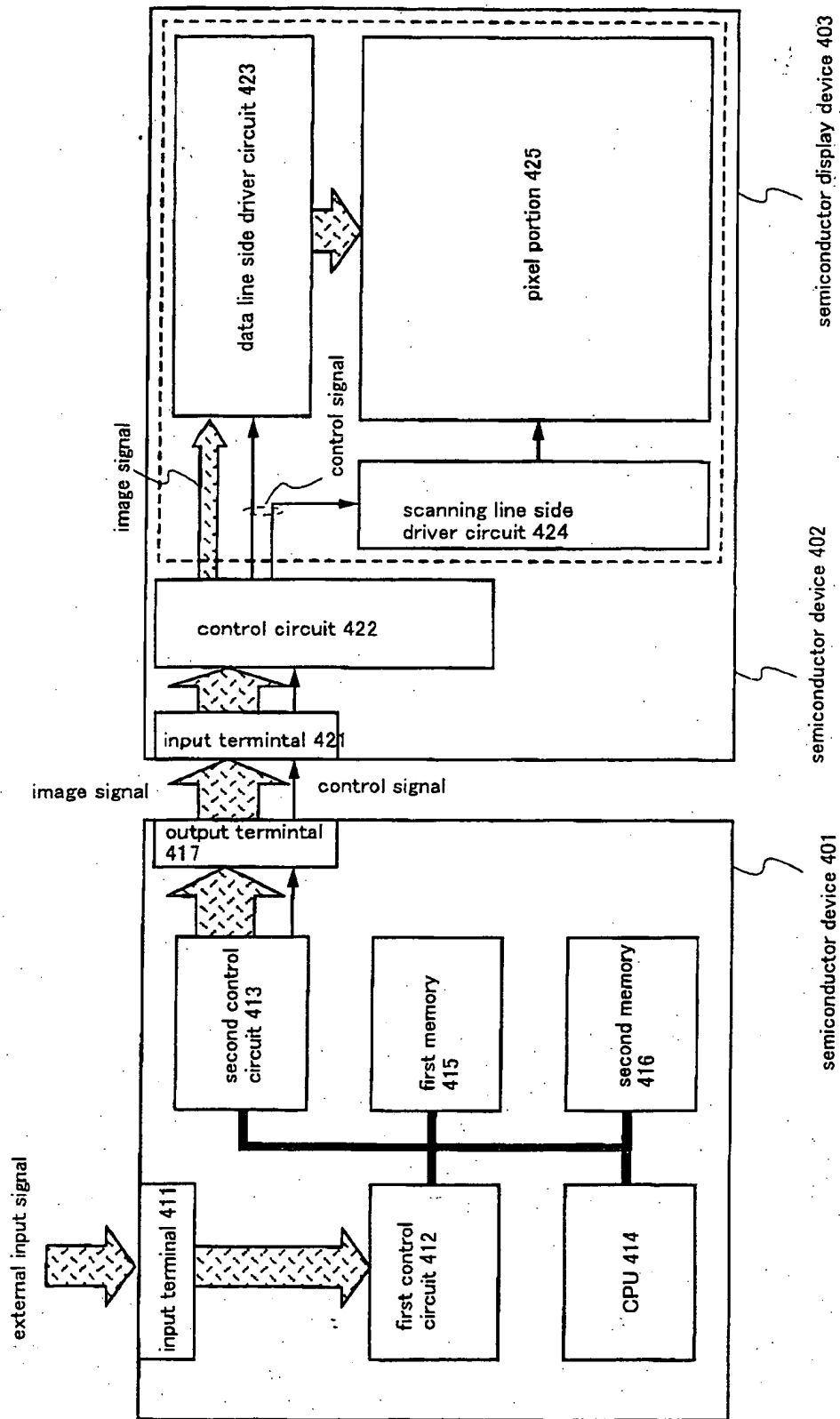
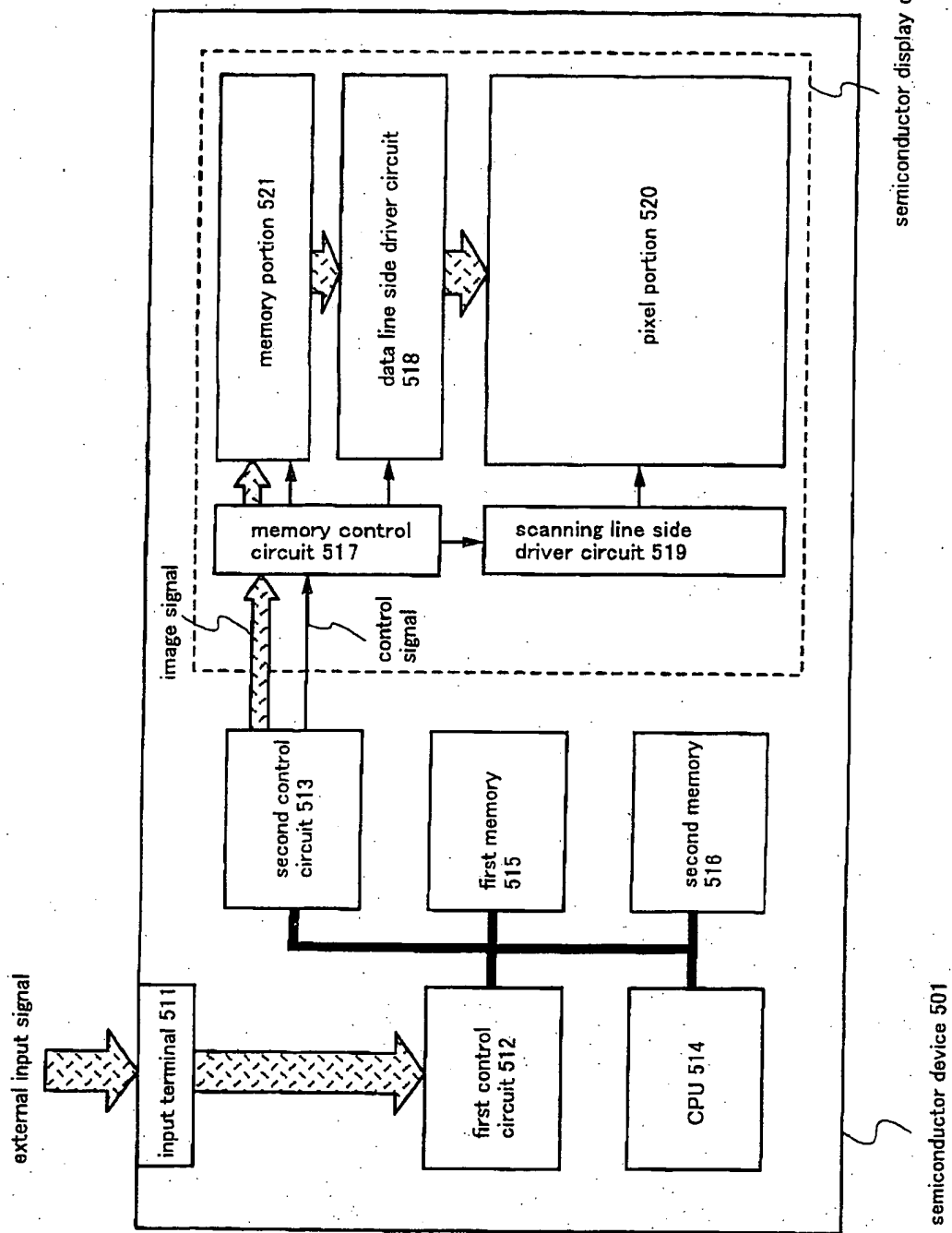


FIG. 3

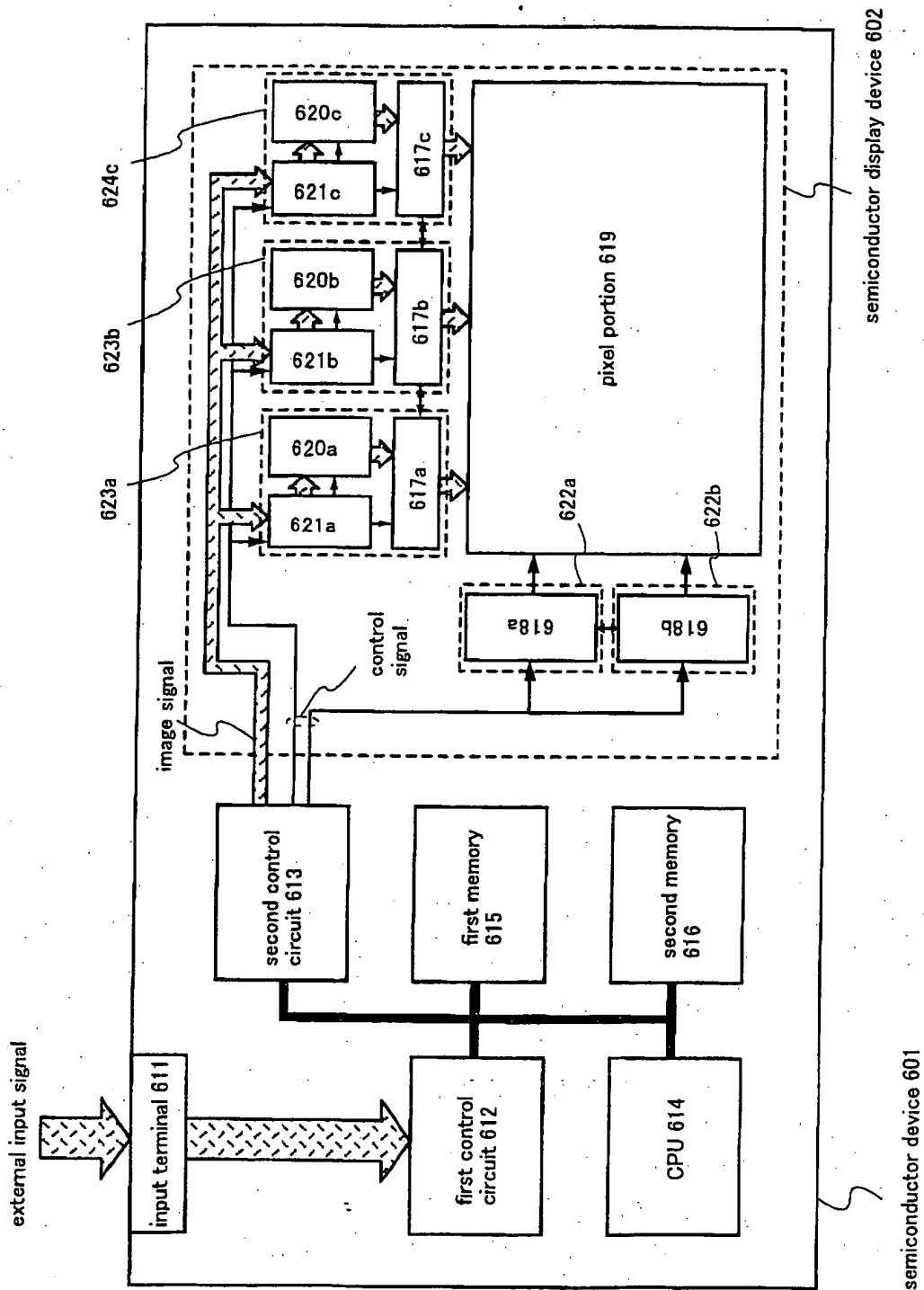
【Fig. 4】



[Fig. 5]

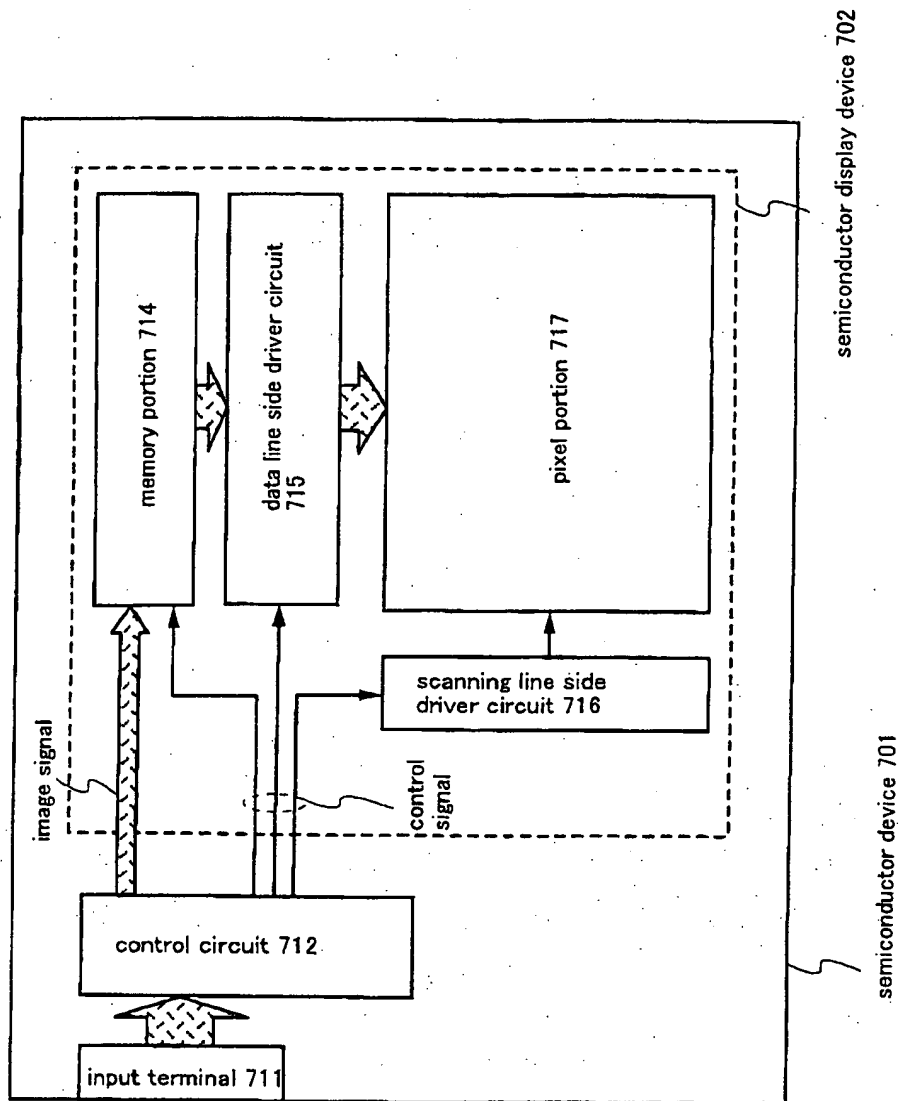


【Fig. 6】



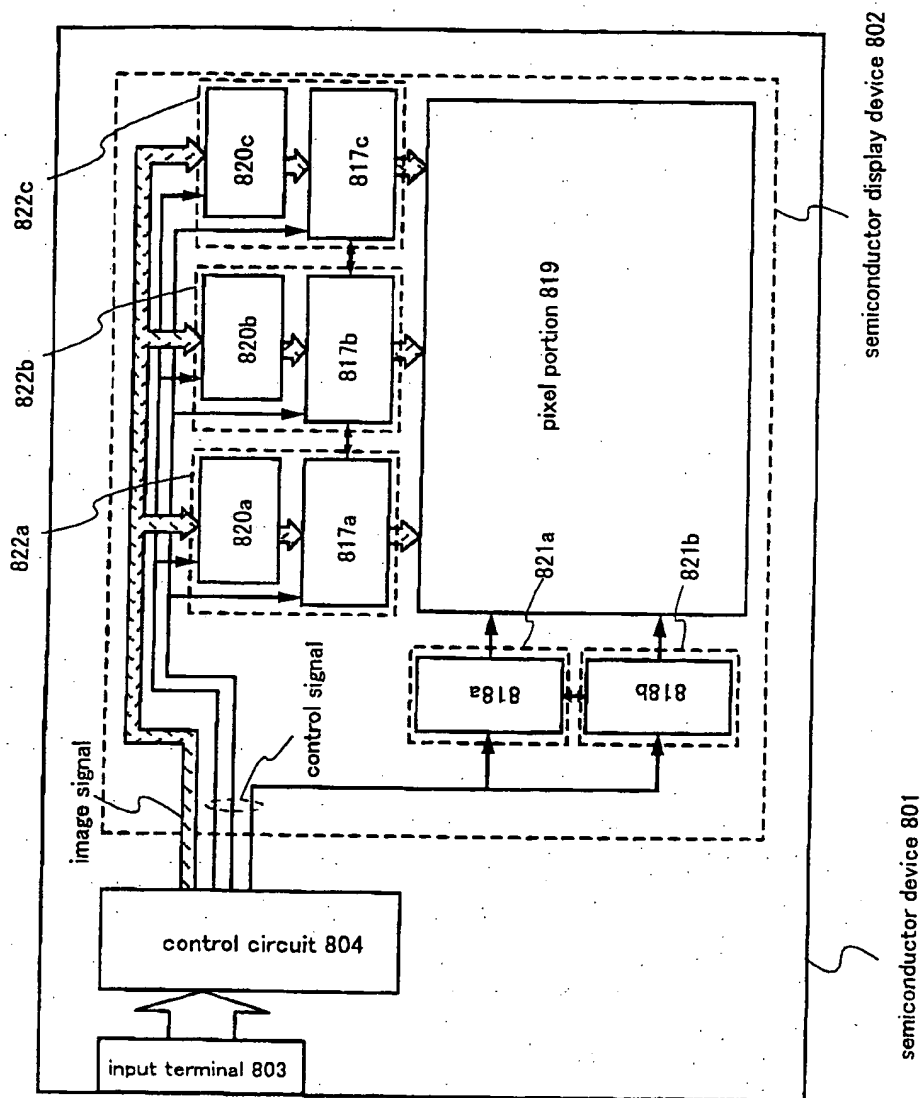
617a, 617b, 617c data line side driver circuit 618a, 618b scanning line side driver circuit
 620a, 620b, 620c memory portion 621a, 621b, 621c memory control circuit
 622a, 622b scanning line side stick driver 623a, 623b, 623c data line side stick driver

【Fig. 7】



[Fig. 8]

FIG. 8



817a, 817b, 817c data line side driver circuit 818a, 818b scanning line side driver circuit
820a, 820b, 820c memory portion 821a, 821b scanning line side stick driver
822a, 822b, 822c data line side stick driver

Fig. 9(A)

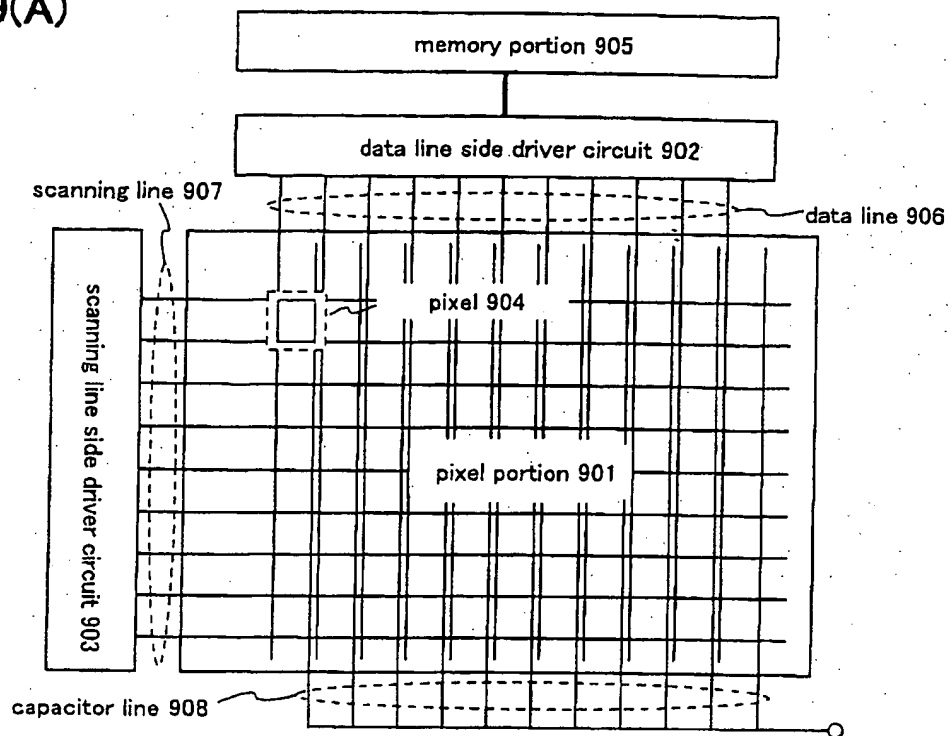
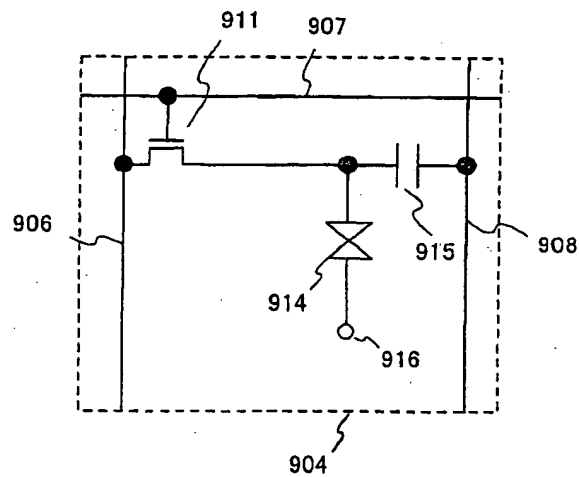


Fig. 9(B)



904 pixel 908 capacitor line 906 data line
 907 scanning line 911 switching TFT
 914 liquid crystal element 915 capacitor 916
 counter electrode

0954433-100301

Fig. 10 (A)

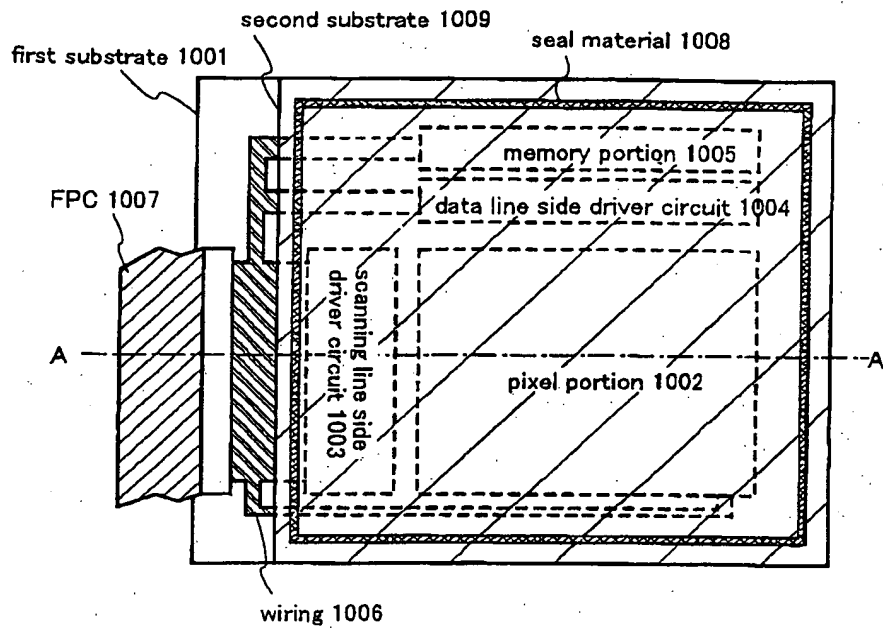


Fig. 10 (B)

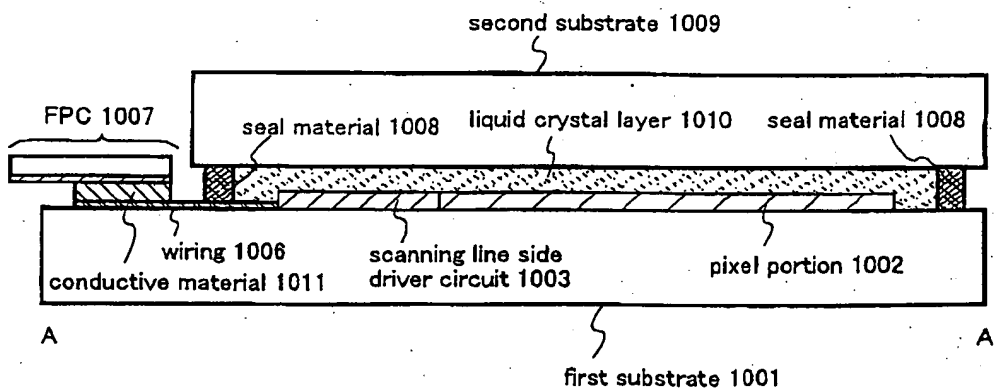
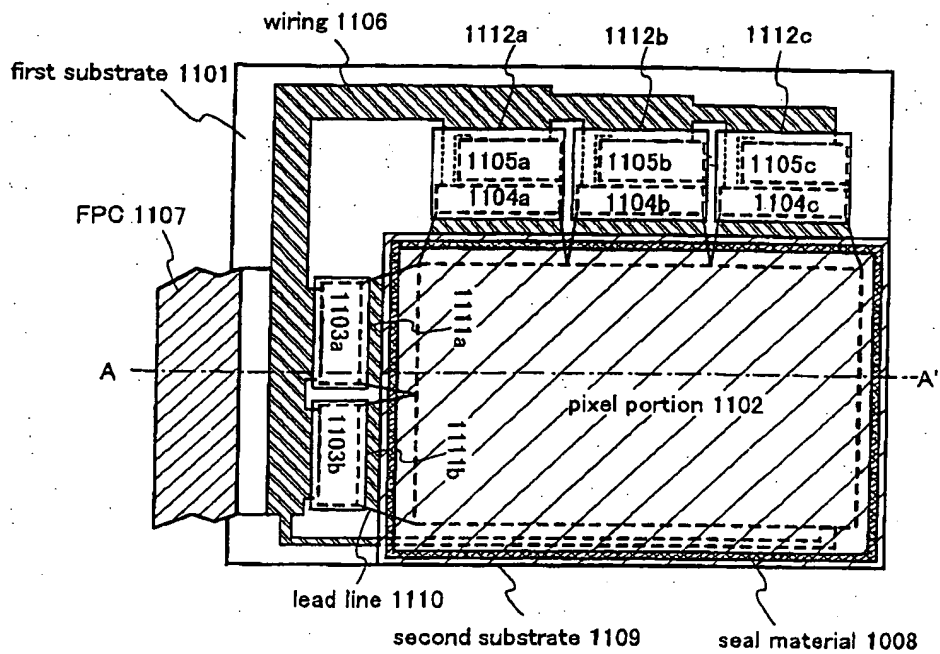


Fig. 11 (A)



1103a, 1103b scanning line side driver circuit
 1104a, 1104b, 1104c data line side driver circuit
 1105a, 1105b, 1105c memory portion
 1111a, 1111b scanning line side stick driver
 1112a, 1112b, 1112c data line side stick driver

Fig. 11 (B)

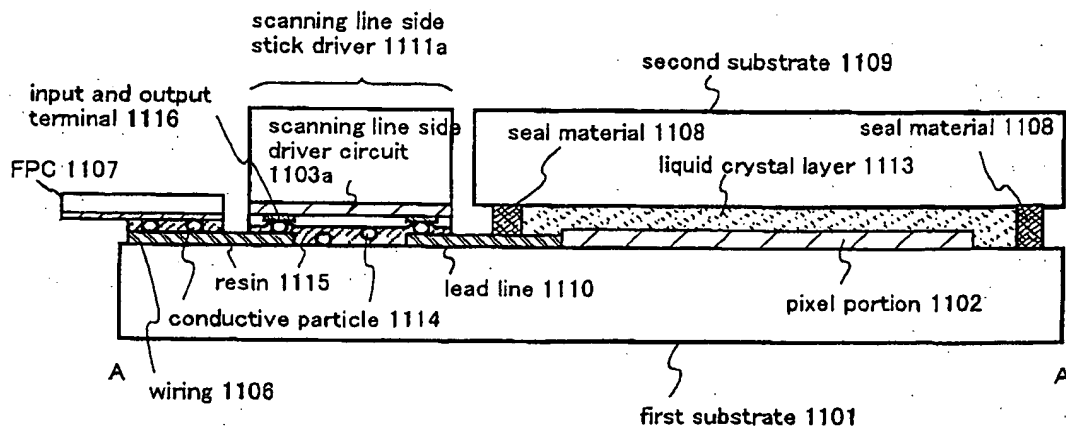


Fig. 12(A)

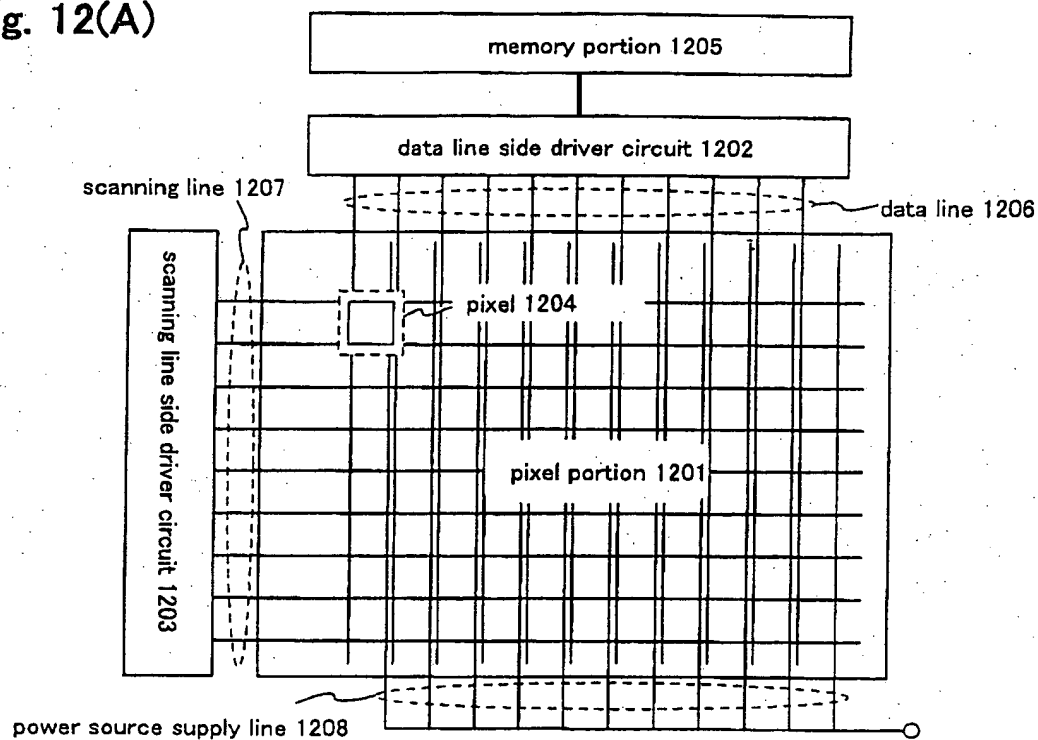
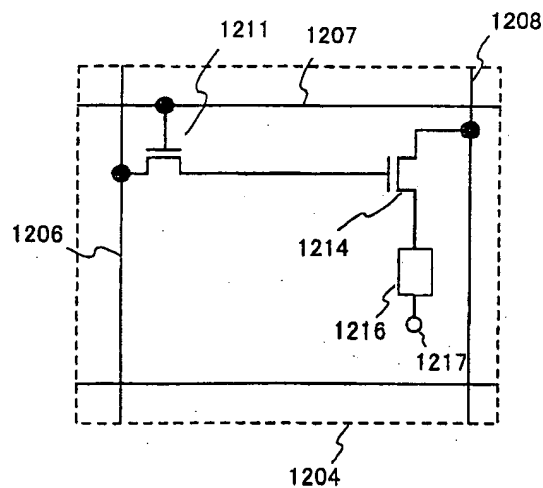


Fig. 12(B)



1204 pixel 1206 data line 1207 scanning line
1208 power source supply line 1211 switching TFT
1214 EL driving TFT 1216 EL element 1217
counter electrode

Fig. 13(A)

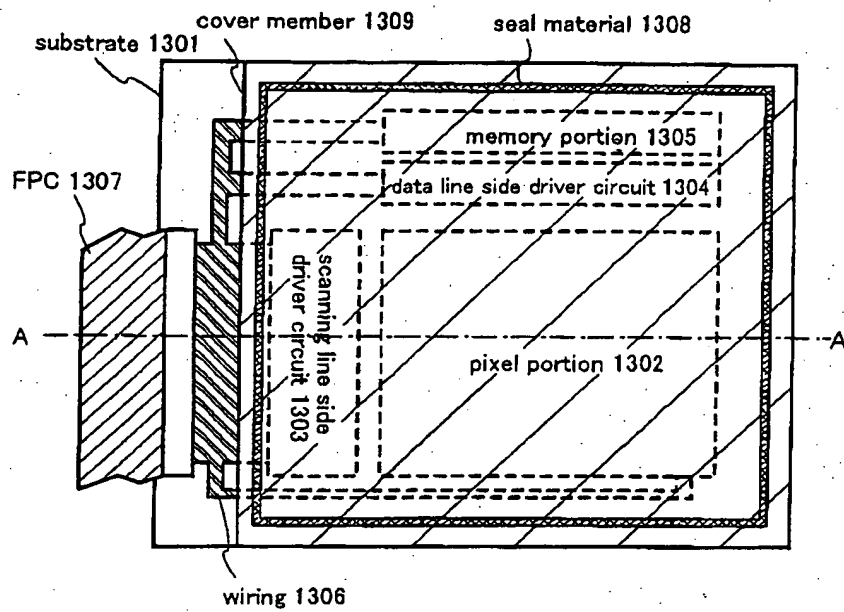


Fig. 13(B)

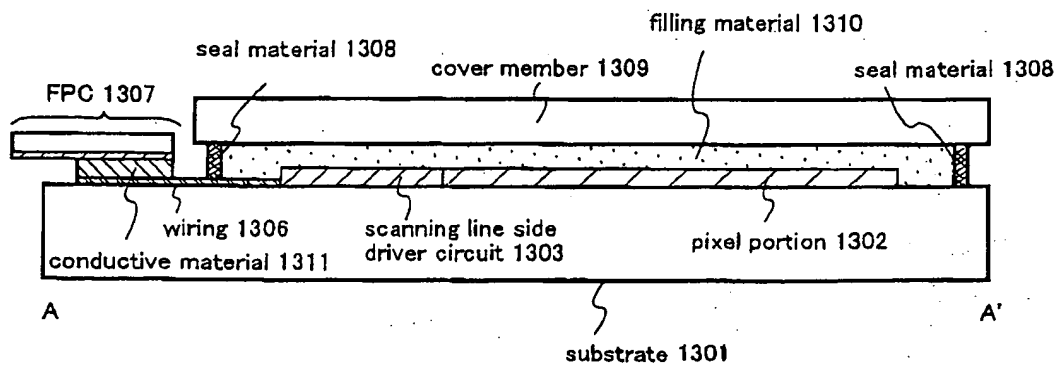
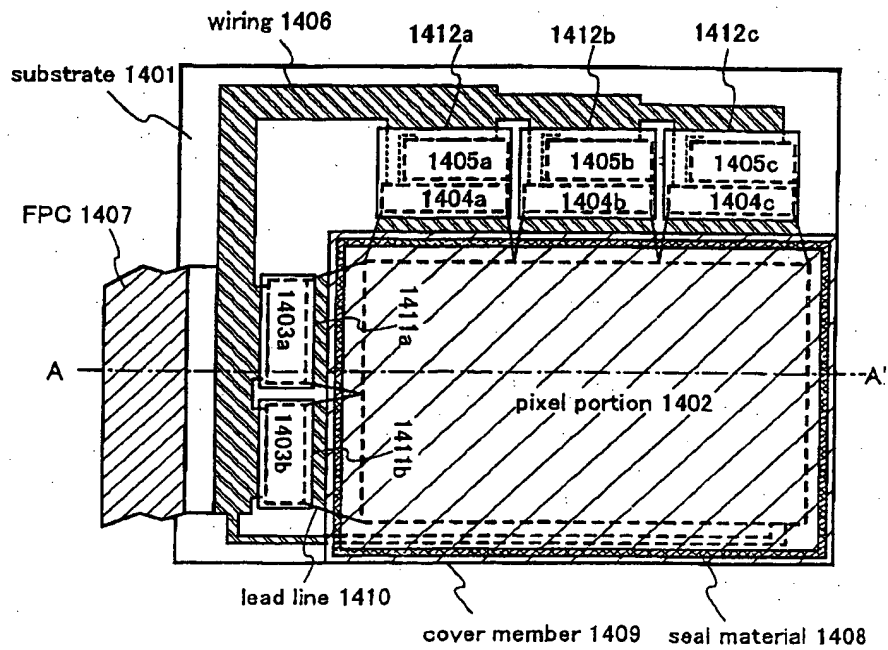


FIG. 13(A) 1000

Fig. 14(A)



1403a, 1403b scanning line side driver circuit
 1404a, 1404b, 1404c data line side driver circuit
 1405a, 1405b, 1405c memory portion
 1411a, 1411b scanning line side stick driver
 1412a, 1412b, 1412c data line side stick driver

Fig. 14(B)

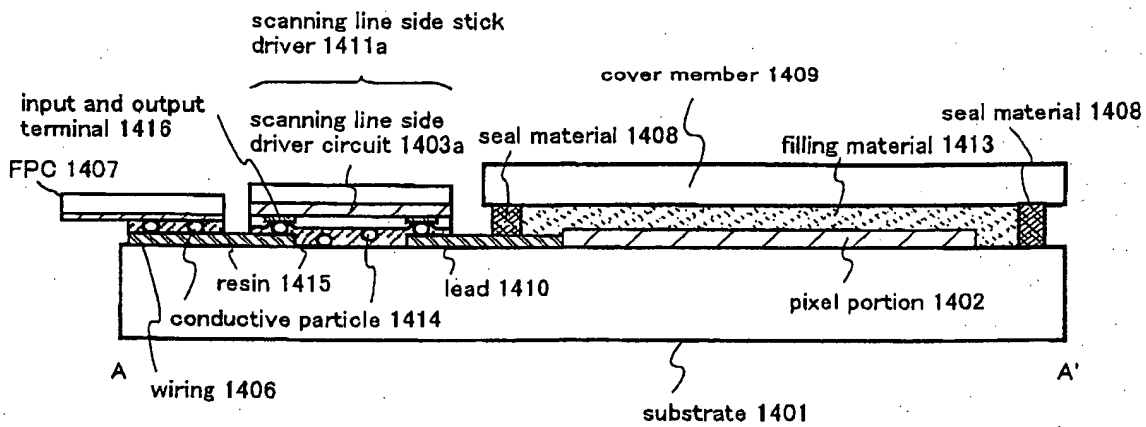


Fig. 15(A)

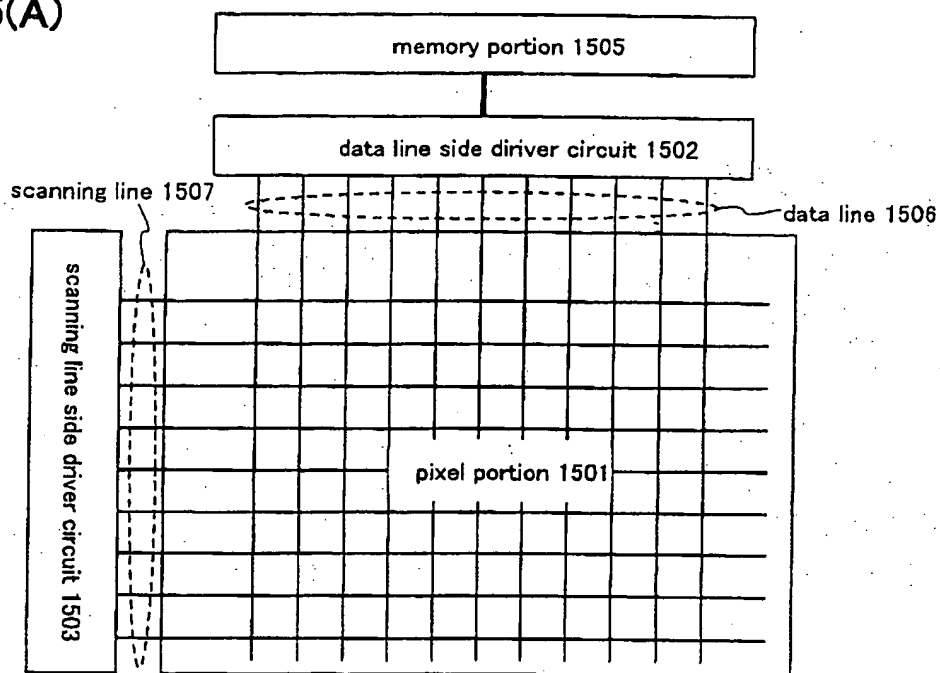
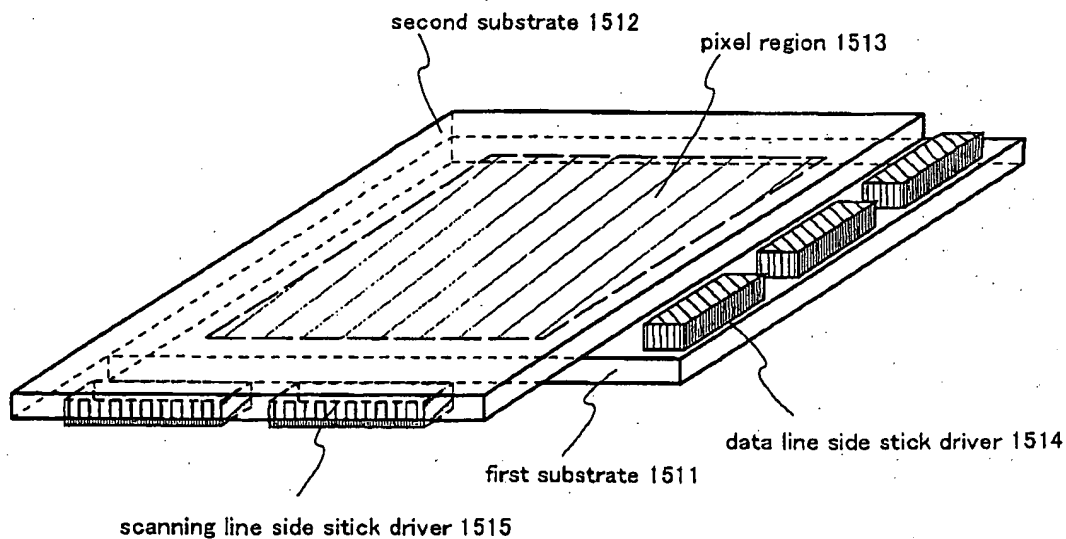
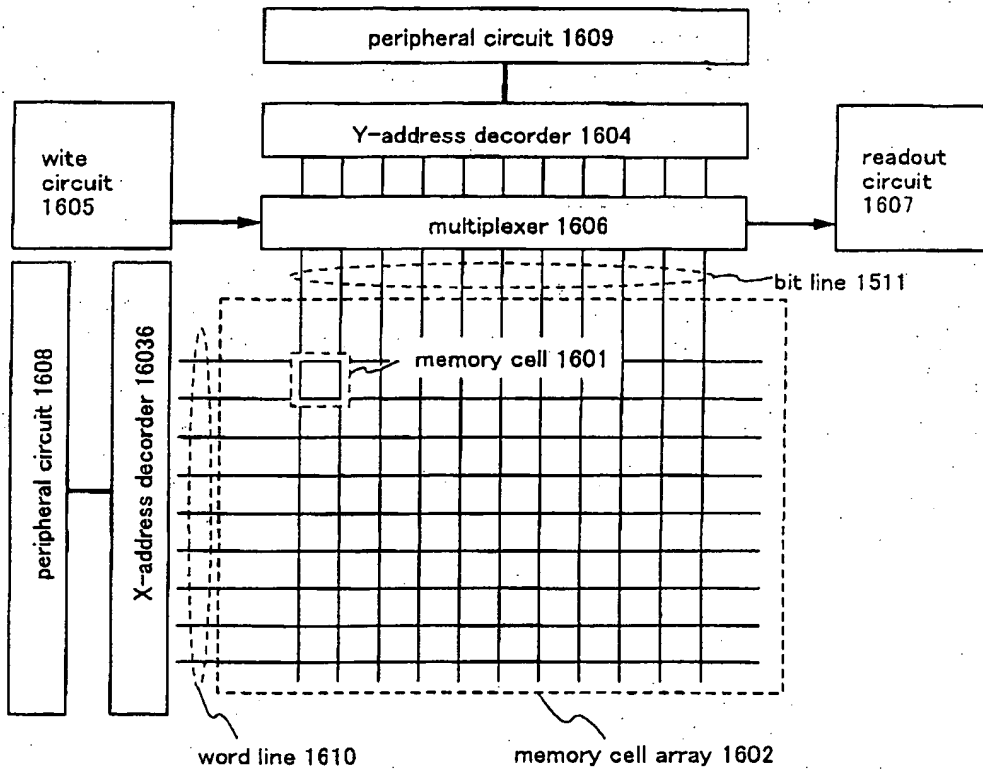


Fig. 15(B)



[Fig. 16]



FOOT" 64F560

Fig. 17(A)

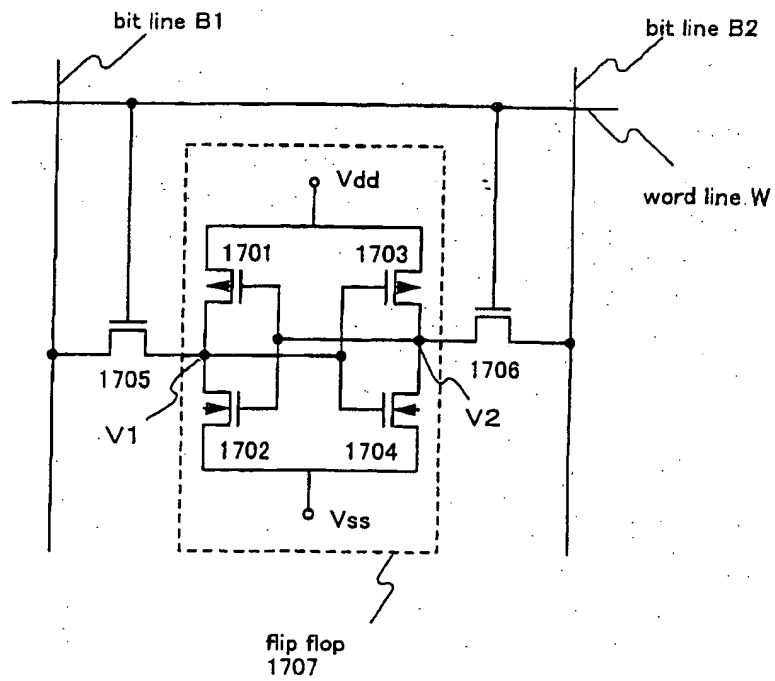
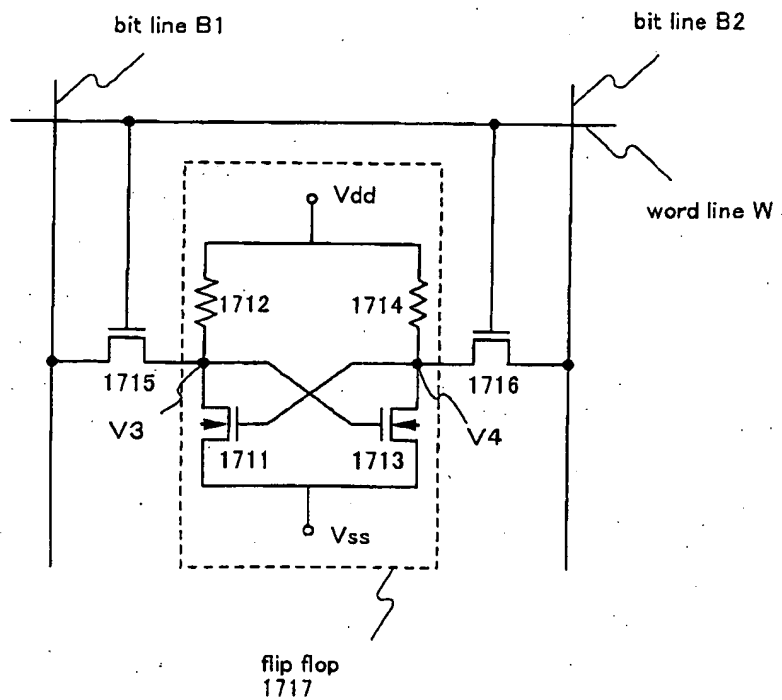


Fig. 17(B)



[Fig. 18]

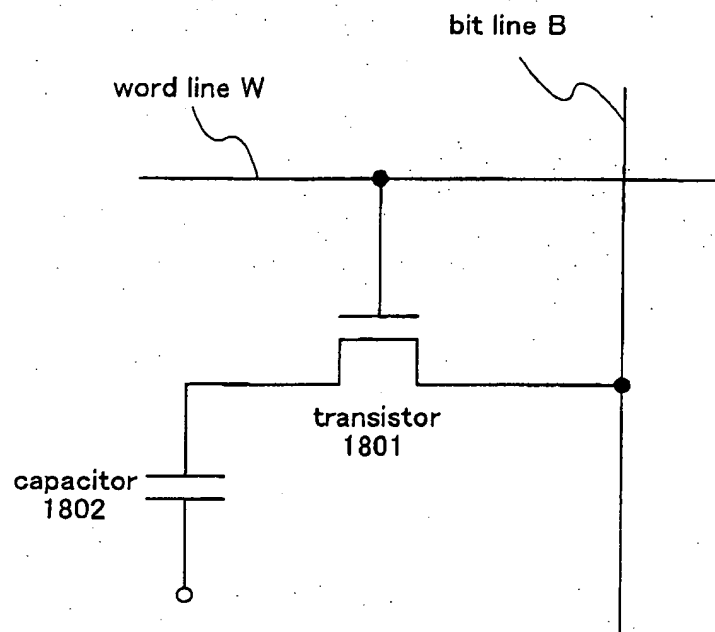
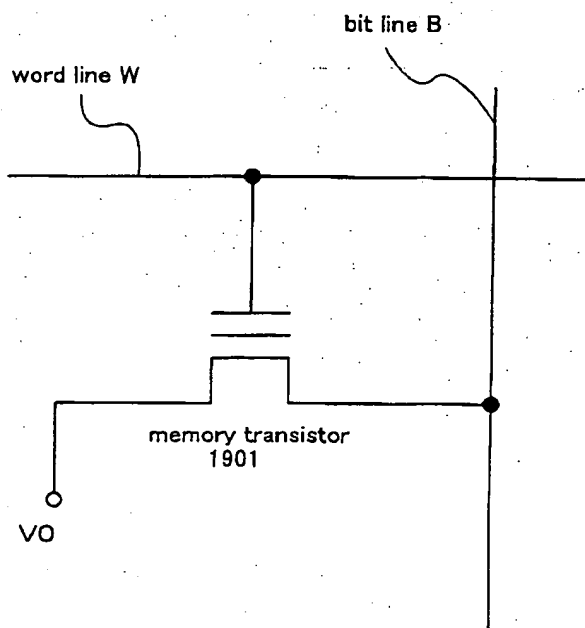


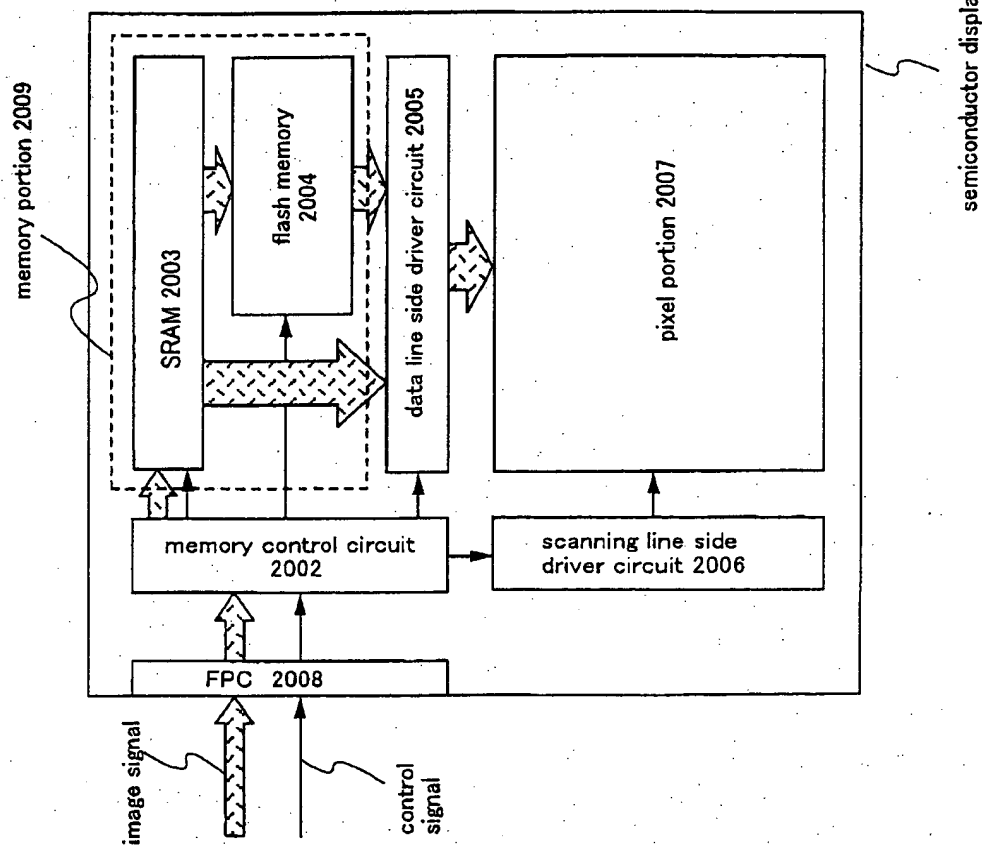
FIG. 18

[Fig. 19]

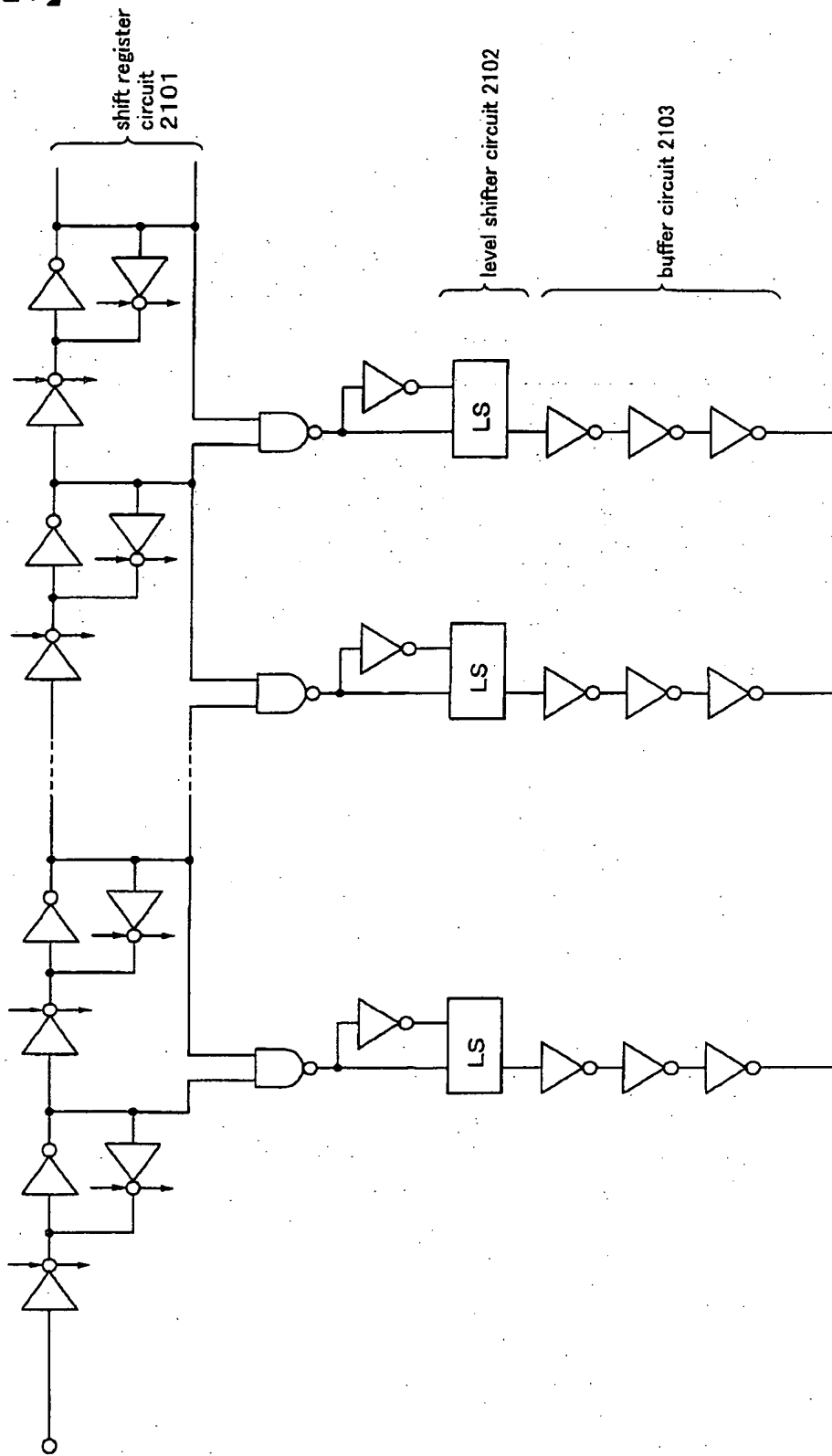


095143-100301

【Fig. 20】



【Fig. 21】



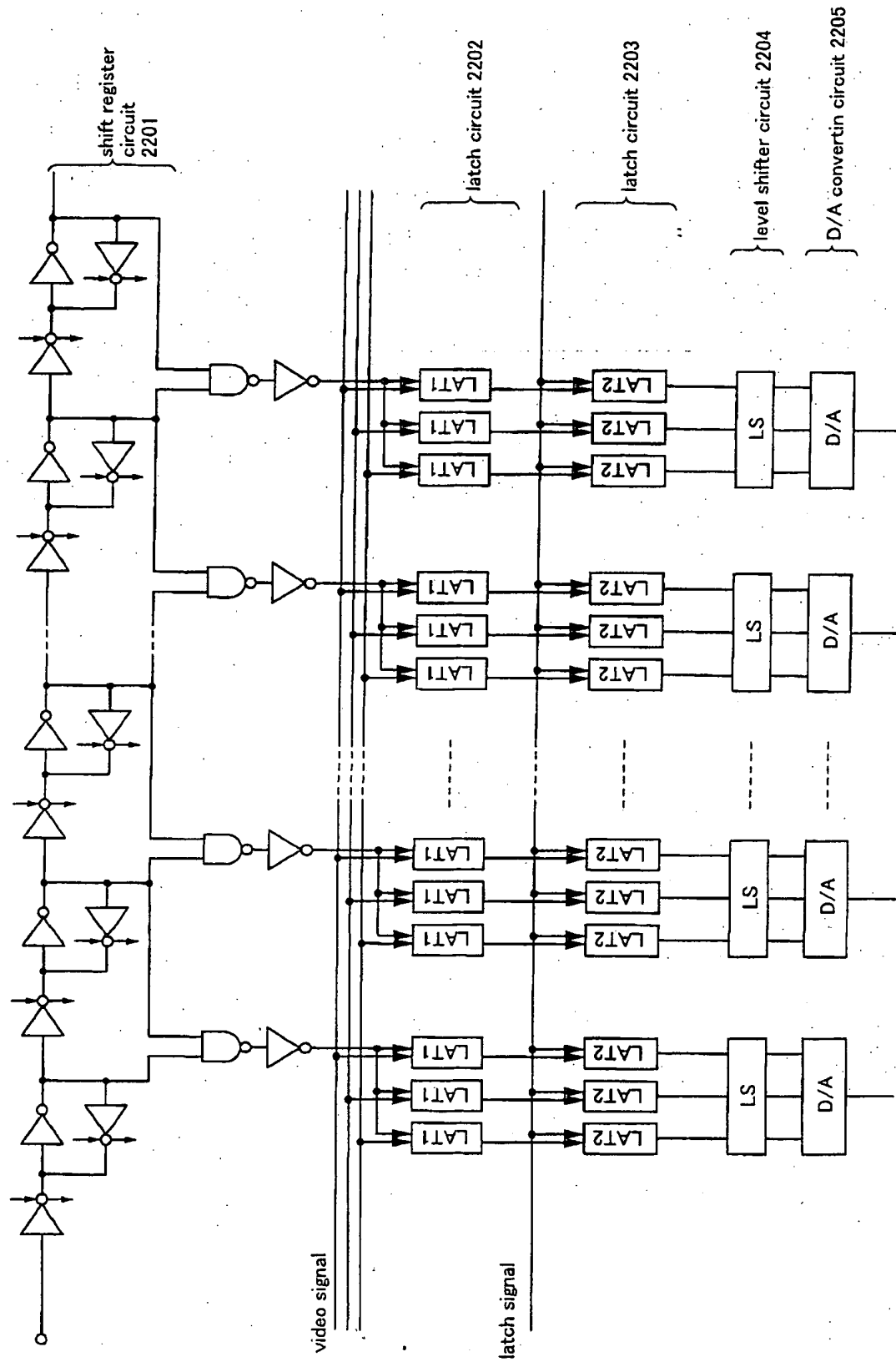


Fig. 22

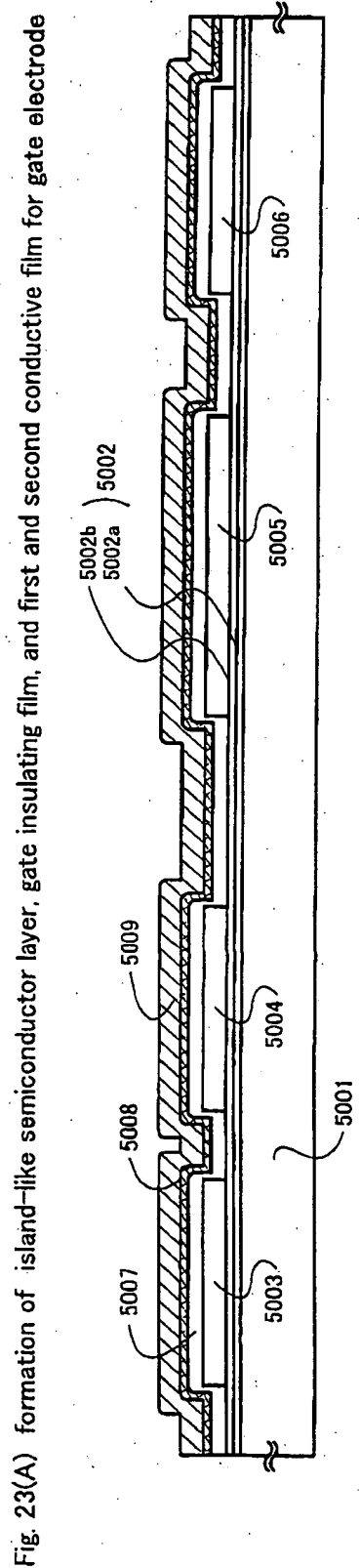


Fig. 23(B) first etching processing, first doping processing

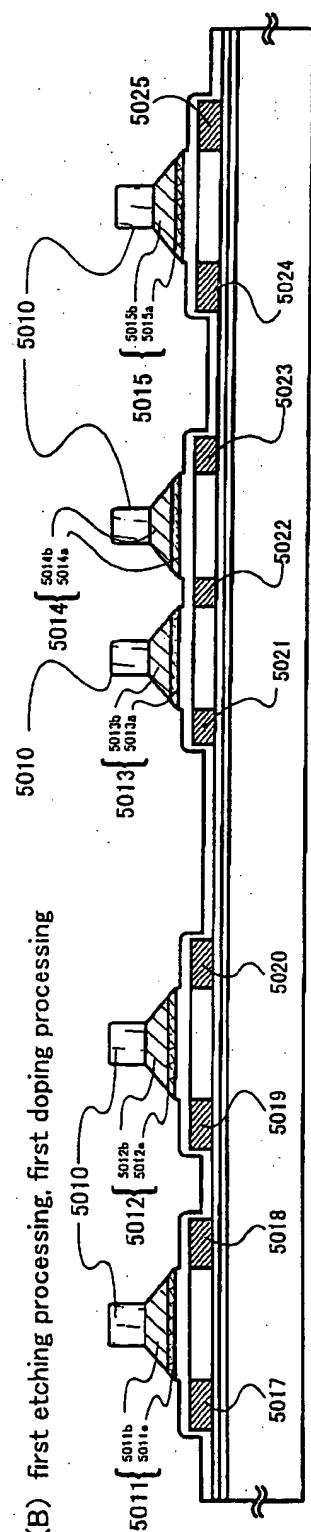
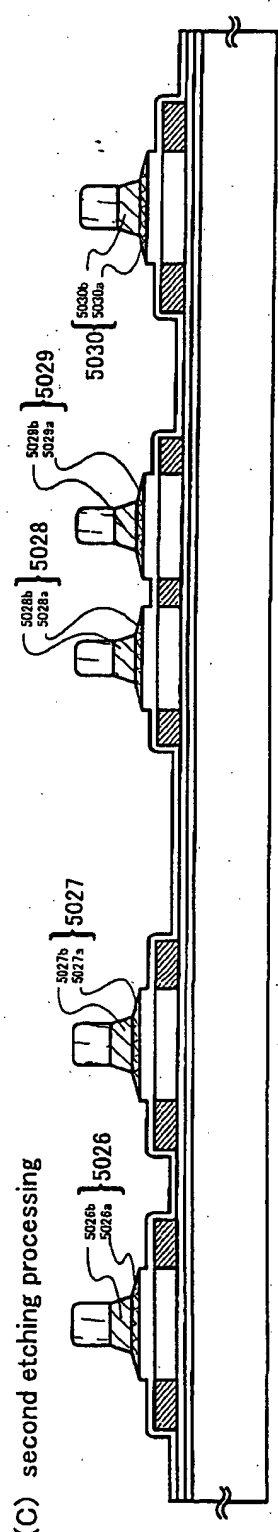


Fig. 23(C) second etching processing



- 5001 : substrate
- 5002 : base film
- 5003 ~ 5006 : semiconductor layer
- 5007 : gate insulating film
- 5008 : first conductive film
- 5009 : second conductive film
- 5010 : resist mask
- 5011 ~ 5015 : first shaped conductive layer
- 5016 ~ 5019 : second shaped conductive layer
- 5020 ~ 5023 : first impurity region
- 5024 ~ 5027 : second impurity region
- 5028 ~ 5031 : first conductive layer
- 5032 ~ 5035 : second conductive layer
- 5036 ~ 5039 : first conductive layer
- 5040 ~ 5043 : second conductive layer

Fig. 24(A) second doping processing

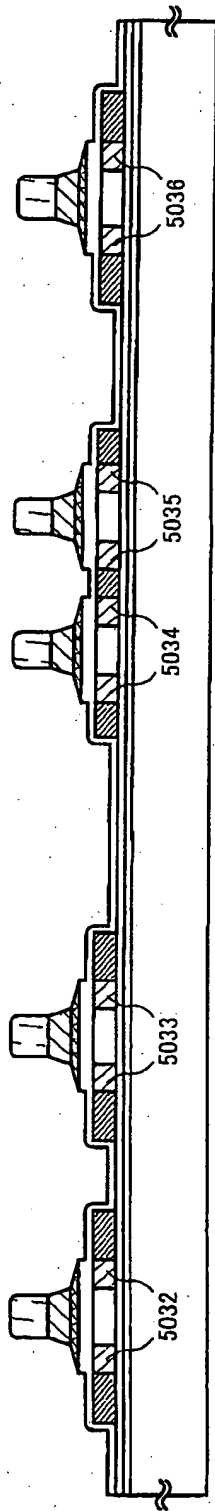


Fig. 24(B) third etching processing

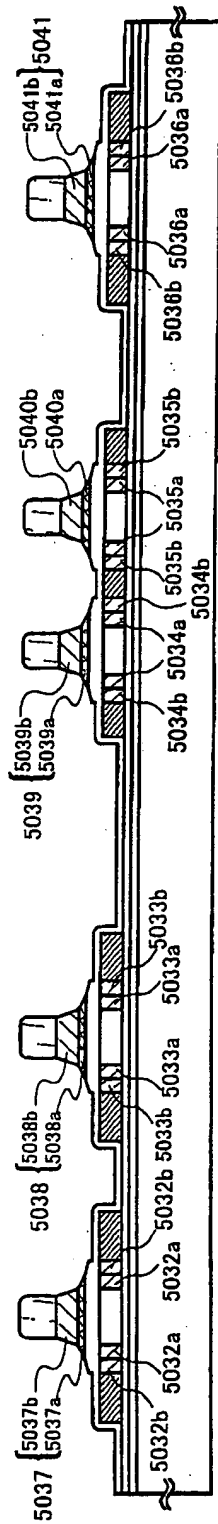
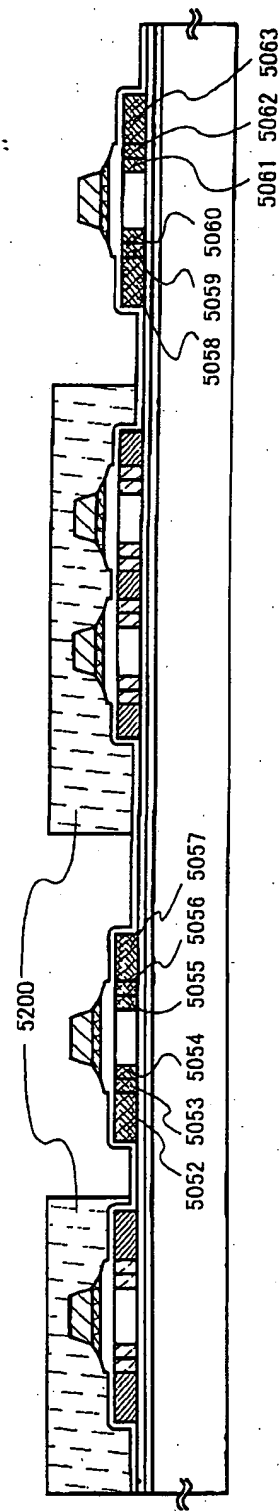


Fig. 24(C) third doping processing



5032~5036 : second impurity region
 5032a~5036a : third impurity region
 5032b~5036b : fourth impurity region
 5037~5041 : third shaped conductive layer
 5052~5063 : fifth impurity region
 5200 : resist mask

formation of first, second interlayer insulating films and wiring formation

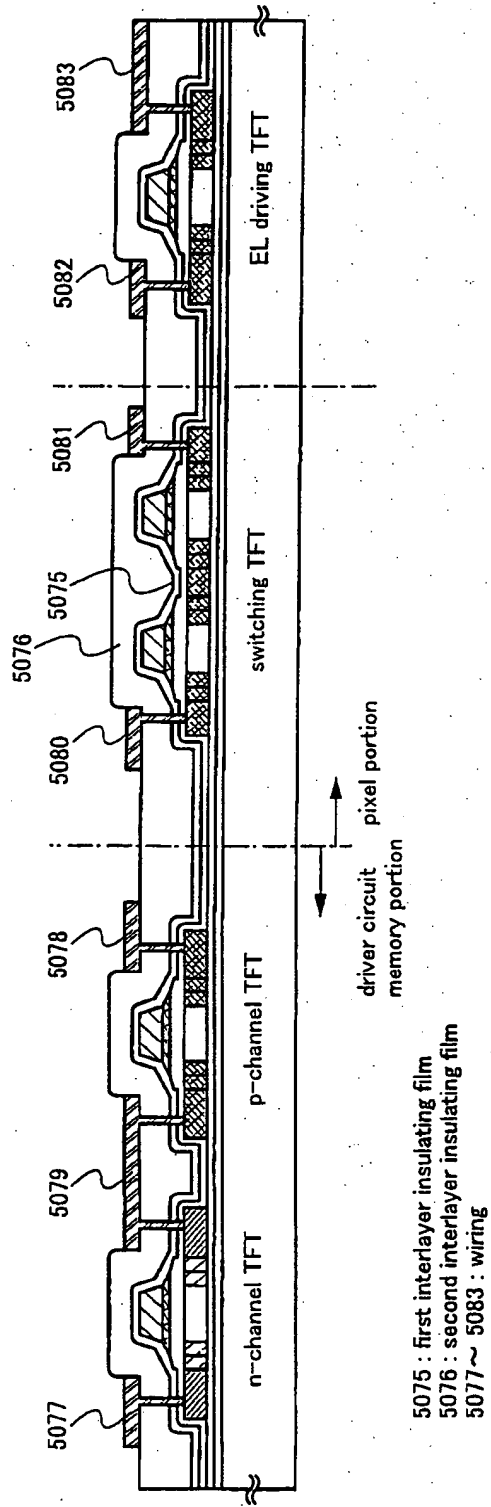
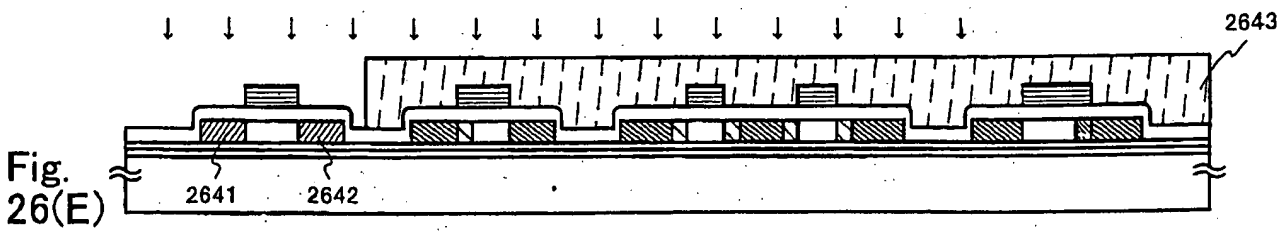
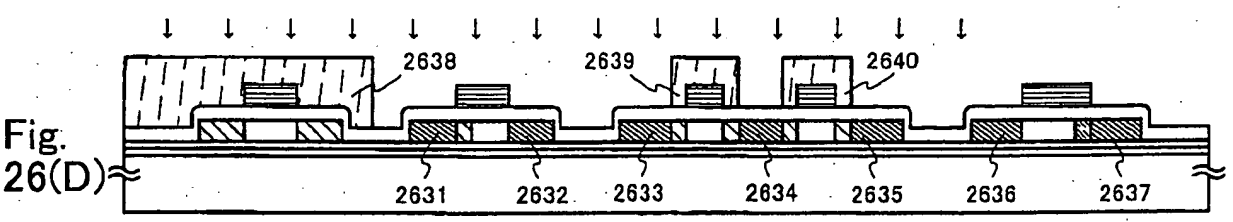
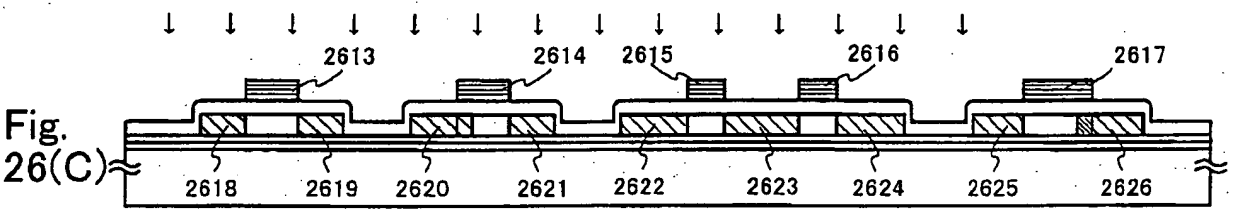
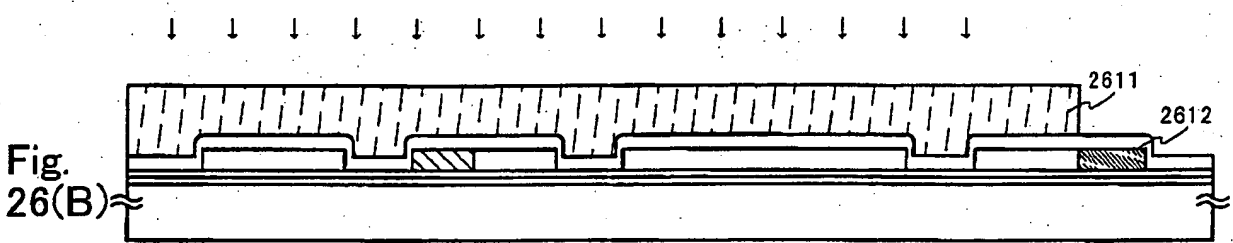
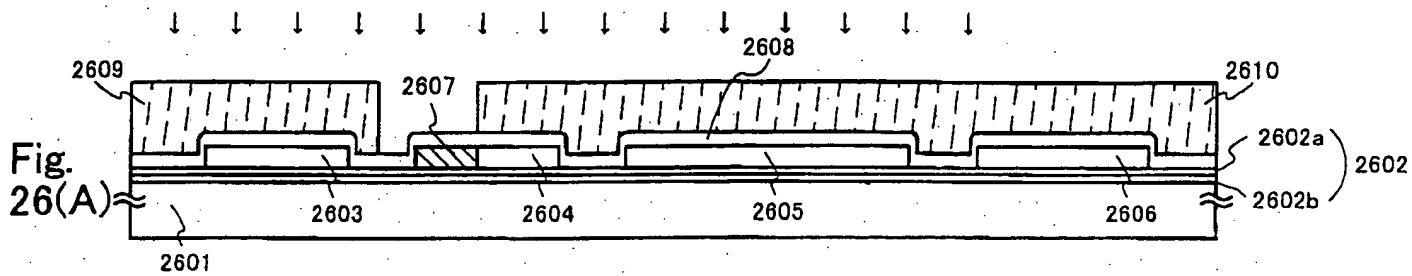


Fig. 25

FIG. 26(A) 26(B) 26(C) 26(D) 26(E)



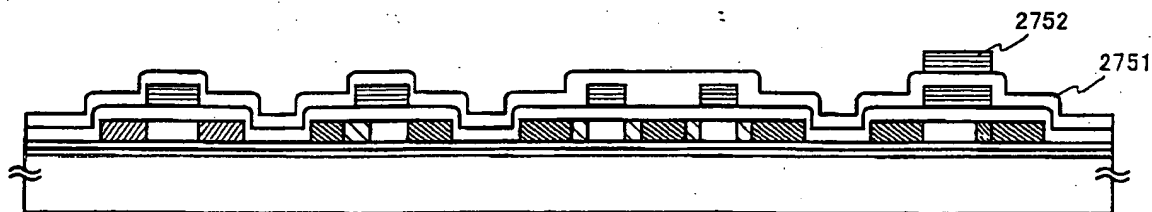


Fig.27(A)

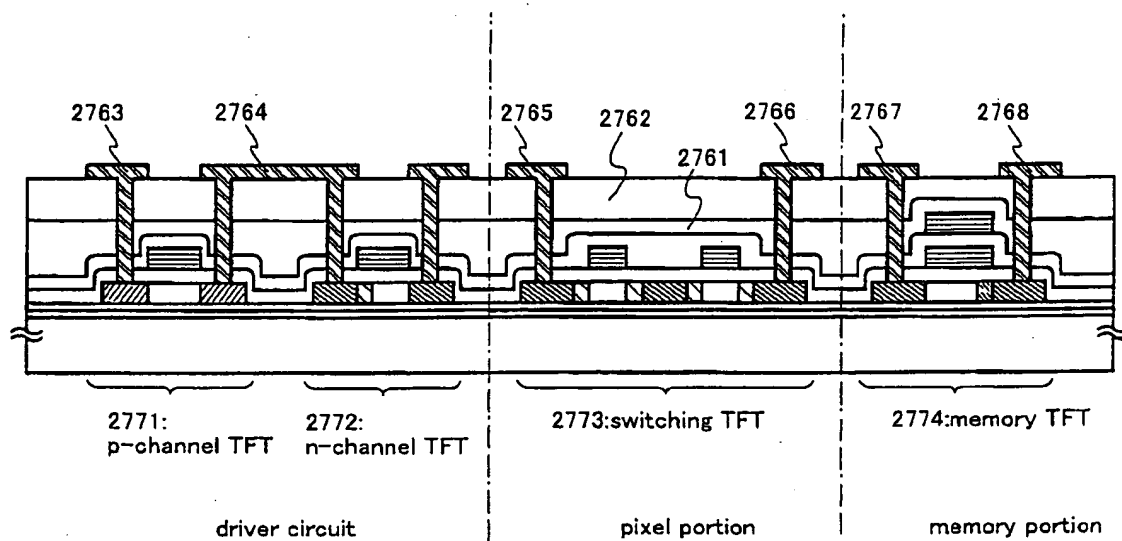


Fig.27(B)

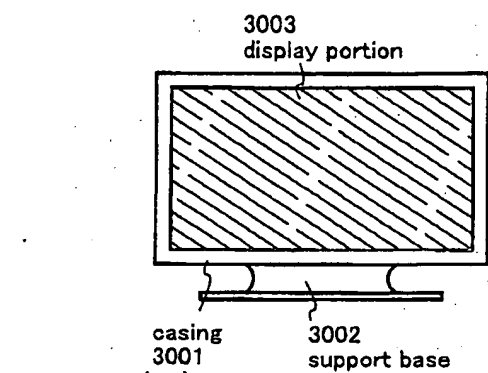


Fig. 28(A)

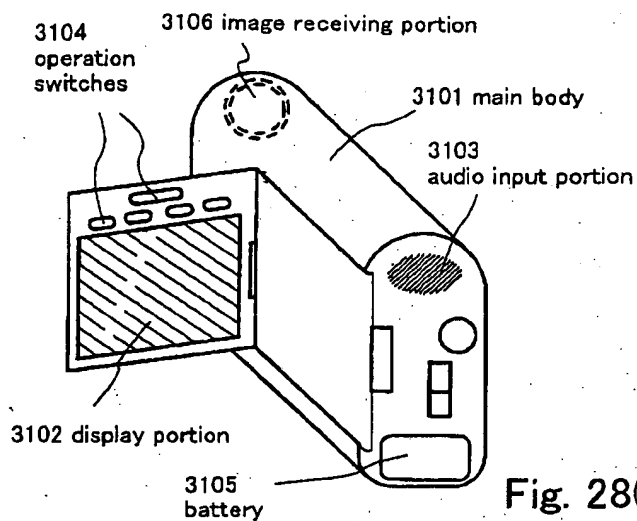


Fig. 28(B)

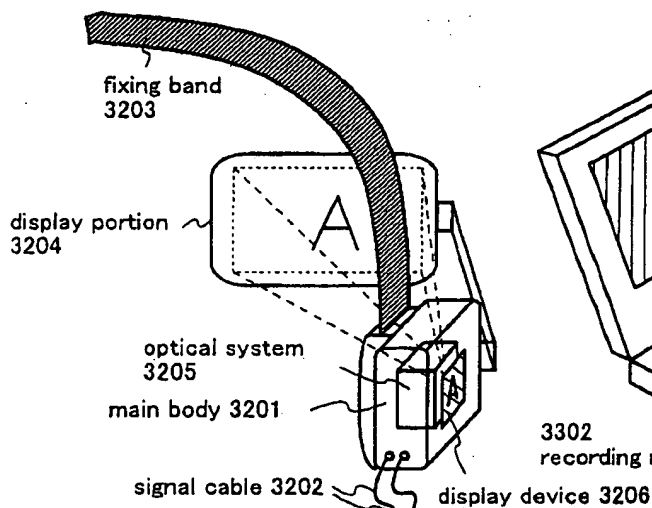


Fig. 28(C)

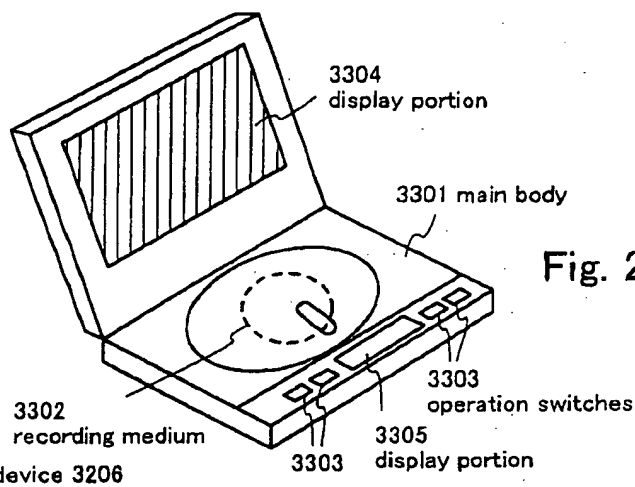


Fig. 28(D)

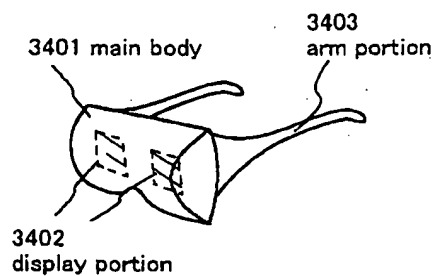


Fig. 28(E)

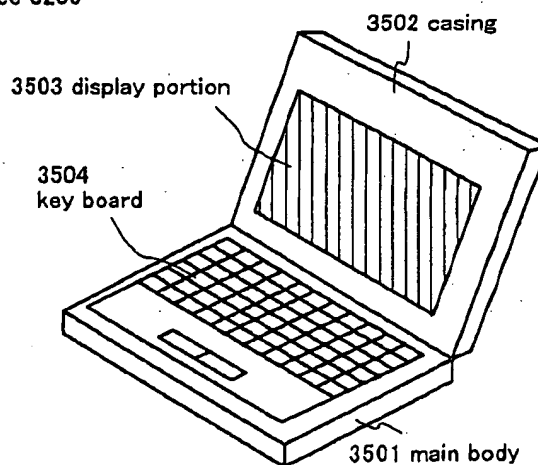


Fig. 28(F)

FIG. 29(A)

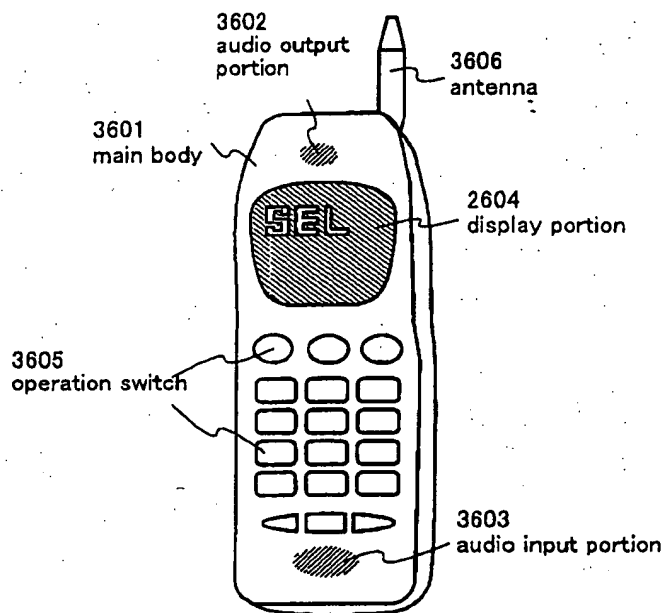


Fig. 29(A)

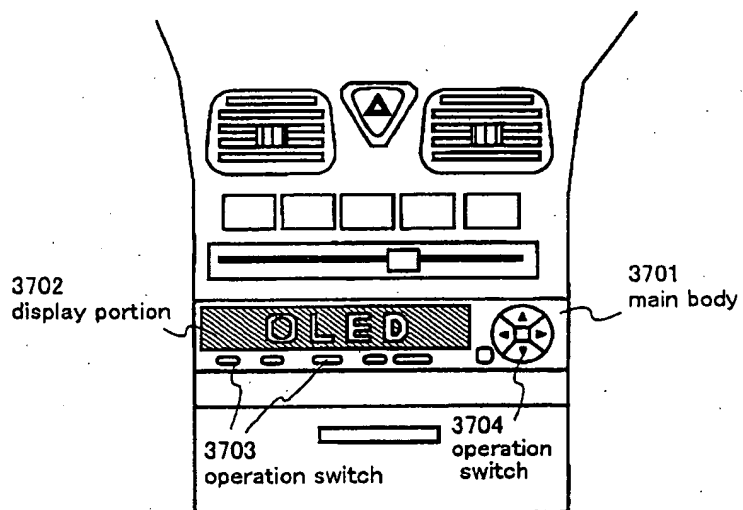


Fig. 29(B)